What is claimed is:

1.   1.   A method for controlling a positioning
2. device of an internal combustion engine, the method
3. comprising the steps of:
4.   detecting a commanded position of said
5. positioning, device;
6.   detecting a sensed position of said positioning
7. device;
8.   forming a dynamic feedforward term based upon
9. said commanded position; and
10.   forming a control action based upon said dynamic
11. feedforward term.

1.   2.   The method as recited in claim 1, further
2. comprising the step of enabling said dynamic
3. feedforward term for a first encountered step change
4. in throttle position command.

1.   3.   The method as recited in claim 2, further
2. comprising the step of disabling said dynamic
3. feedforward term after said step change in throttle
4. position command.

1.   4.   The method as recited in claim 3, further
2. comprising the step of re-enabling said dynamic
3. feedforward term for a large step.

1.   5.   The method as recited in claim 4, wherein
2. said large step comprises a step larger than 0.75
3. degrees.

1   6.   The method as recited in claim 4, further
2 comprising the step of re-enabling said dynamic
3 feedforward term when no step input changes for a
4 predetermined period of time.

1   7.   The method as recited in claim 6, said
2 predetermined period of time is approximately sixteen
3 milliseconds.

1   8.   The method as recited in claim 7, further
2 comprising the step of re-enabling said dynamic
3 feedforward term when a requested step input changes
4 sign.